

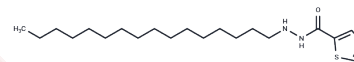
SIS17

Chemical Properties

CAS No. : 2374313-54-7

Formula: C₂₁H₃₈N₂O₅

Molecular Weight: 366.6

Storage: Powder: -20°C for 3 years
Actual storage temperature shall be subject to the COA.

Biological Description

Description	SIS17 is a potent and selective HDAC 11 inhibitor with an IC ₅₀ value of 0.83 μM. SIS17, is active in cells and inhibited the demyristoylation of a known HDAC11 substrate, serine hydroxymethyl transferase 2, without inhibiting other HDACs.
Targets(IC ₅₀)	HDAC
In vitro	SIS17, is active in cells and inhibited the demyristoylation of a known HDAC11 substrate, serine hydroxymethyl transferase 2, without inhibiting other HDACs.

Solubility Information

Solubility	DMSO: 4.38 mg/mL (11.95 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (10.91 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7278 mL	13.6388 mL	27.2777 mL
5 mM	0.5456 mL	2.7278 mL	5.4555 mL
10 mM	0.2728 mL	1.3639 mL	2.7278 mL
50 mM	0.0546 mL	0.2728 mL	0.5456 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Son S I , Cao J , Zhu C L , et al. Activity-Guided Design of HDAC11-Specific Inhibitors[J]. ACS Chemical Biology, 2019, 14(7):1393-1397.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481